

Fig. 1

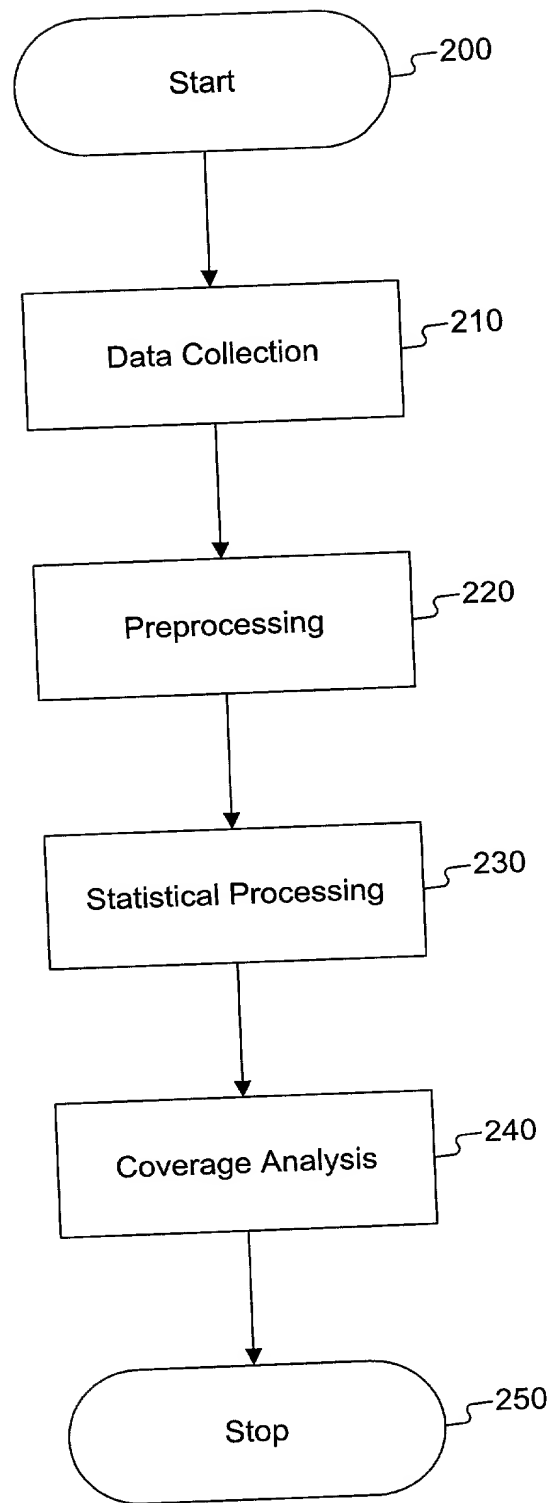


Fig. 2

Data Collection

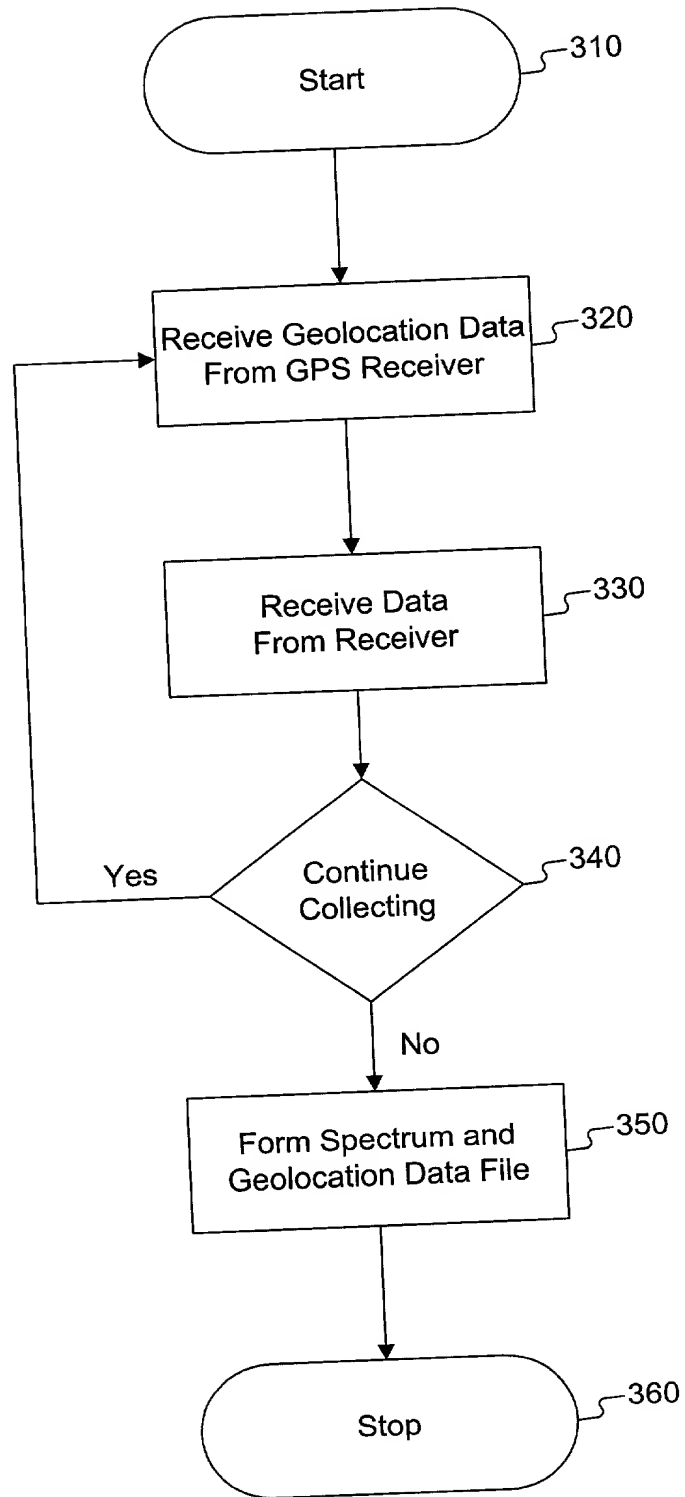


Fig. 3

Preprocessing

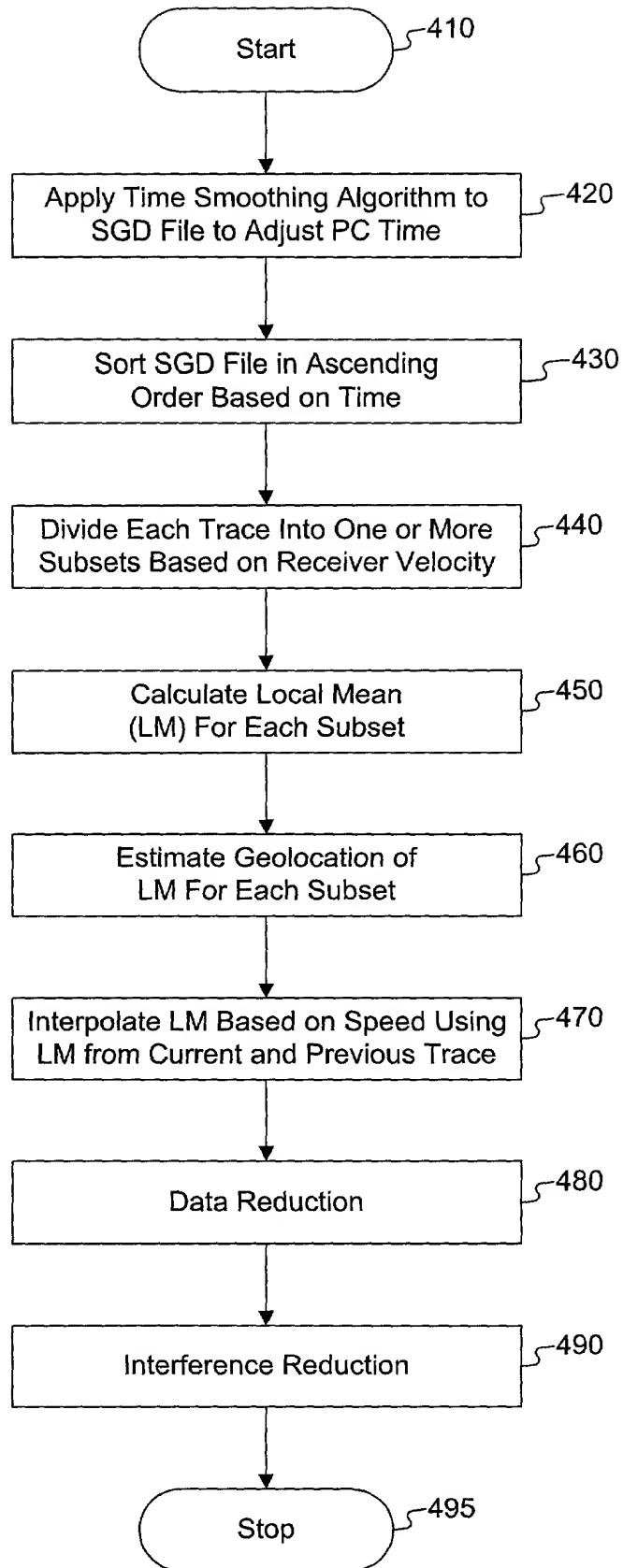


Fig. 4

| PC Time | | | | | | | | | |
|---------|----------|----------|----------|---------|---------|---------|---------|---------|---------|
| PV | 60449.56 | 40.77072 | -74.0281 | 38 | 297 | | | | |
| TR | 60450.39 | 2 | | -115.93 | -113.87 | -116.0 | -120.0 | -121.0 | -121.1 |
| | 60450.39 | | | -112.78 | -115.91 | -116.0 | -116.5 | -117.1 | -117.5 |
| PV | 60451.56 | 40.77087 | -74.0285 | 40 | 298 | | | | |
| TR | 60451.71 | 2 | | -108.67 | -110.51 | -110.41 | -110.61 | -110.71 | -110.81 |
| | 60451.71 | | | -115.76 | -114.62 | -114.52 | -114.42 | -114.32 | -114.22 |
| TR | 60452.53 | 2 | | -111.2 | -114.44 | -114.54 | -114.64 | -114.74 | -114.84 |
| | 60452.53 | | | -110.95 | -108.88 | -108.60 | -108.60 | -107.9 | -106.50 |
| PV | 60453.56 | 40.77102 | -74.0288 | 39 | 299 | | | | |

Fig. 5A

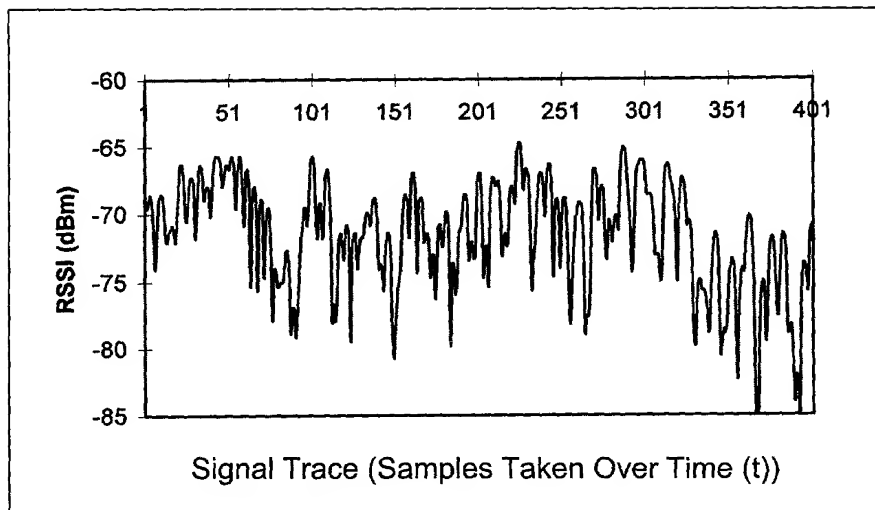


Fig. 5B

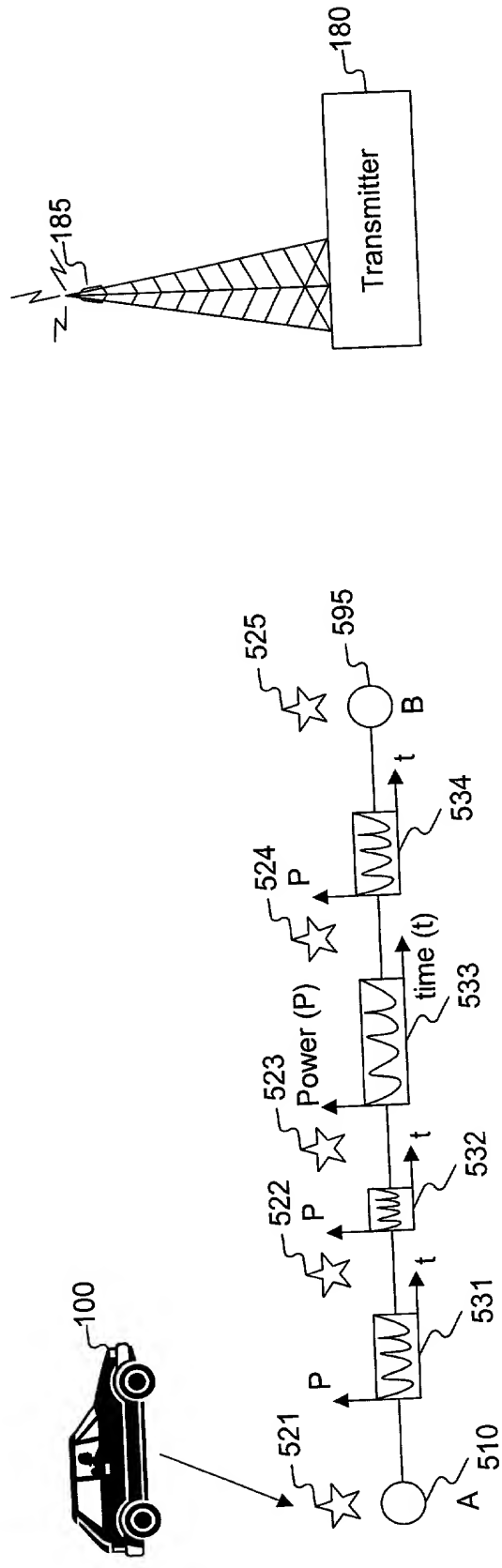


Fig. 5C

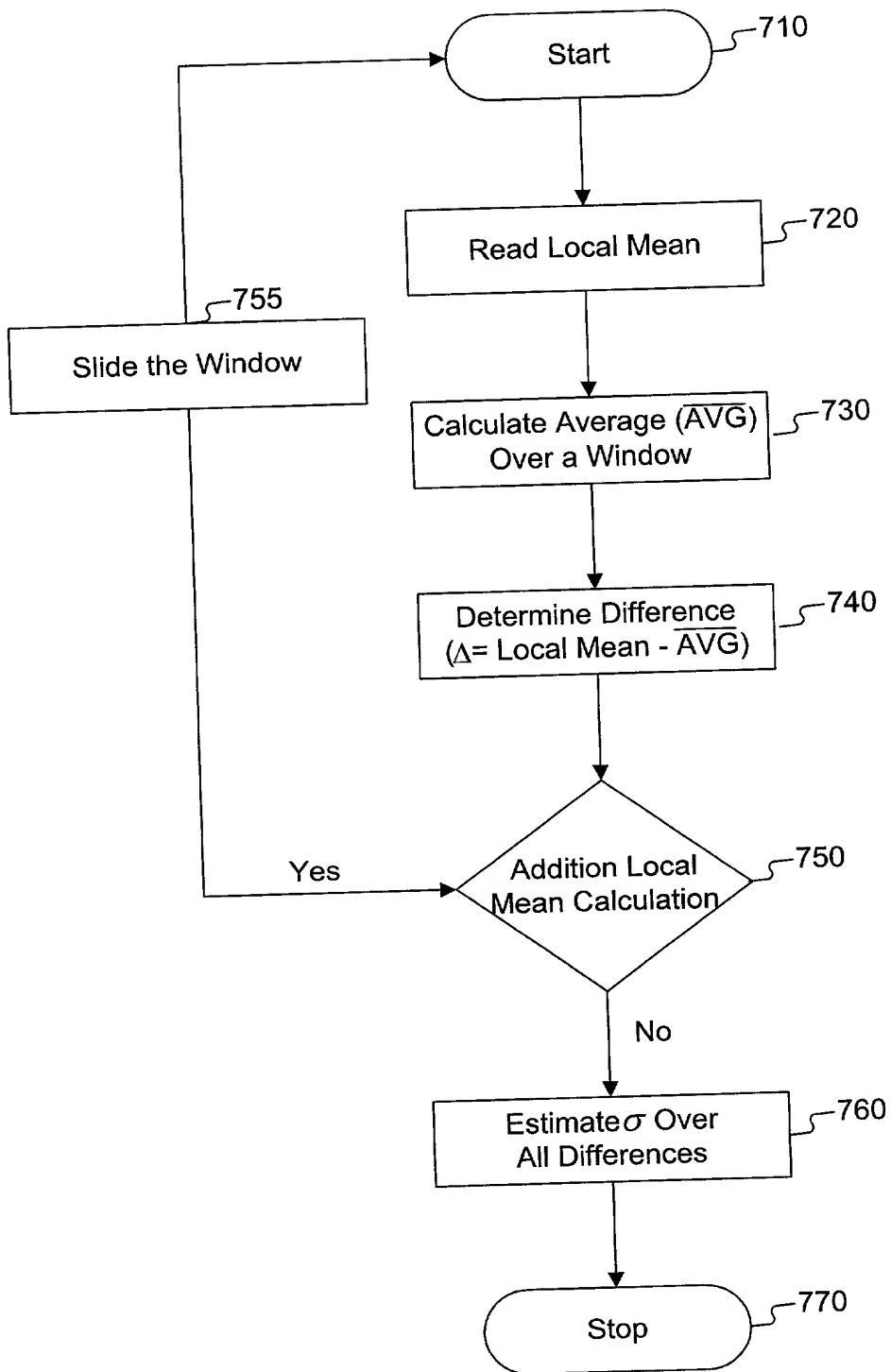


Fig. 7A

| Long | Lat | Local Mean | v (mph) | Lagr-Intp | Window Average | Difference |
|----------|----------|---------------|---------|-----------|-------------------|------------|
| -74.0283 | 40.77081 | -113.8 | 39.14 | 0 | -113.4 | 0.4 |
| -74.0284 | 40.77084 | -113.06 | 39.52 | 0 | -112.2 | 1.06 |
| -74.0285 | 40.77087 | -111.58 | 39.65 | 1 | | |
| -74.0286 | 40.7709 | -110.78 | 39.77 | 0 | | |
| -74.0286 | 40.77094 | -111.6 | 39.58 | 0 | | |
| -74.0287 | 40.77097 | -112.66 | 39.36 | 0 | | |
| -74.0288 | 40.771 | -112.76 | 39.17 | 0 | | |

Fig. 7B

Log-Normal Analysis

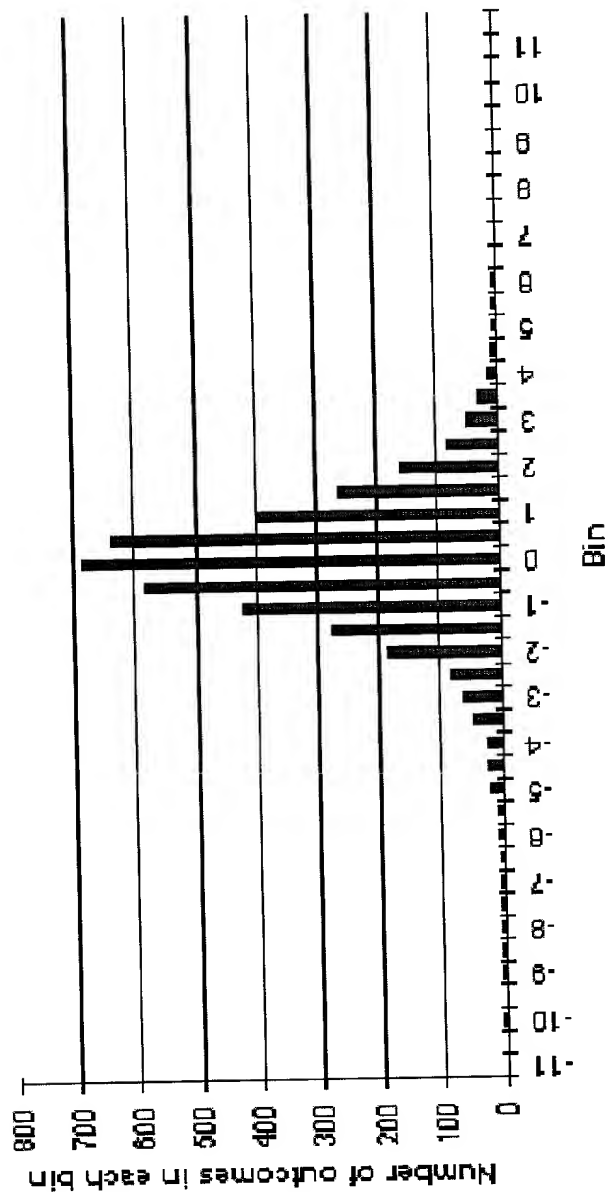


Fig. 7C

Coverage Analysis

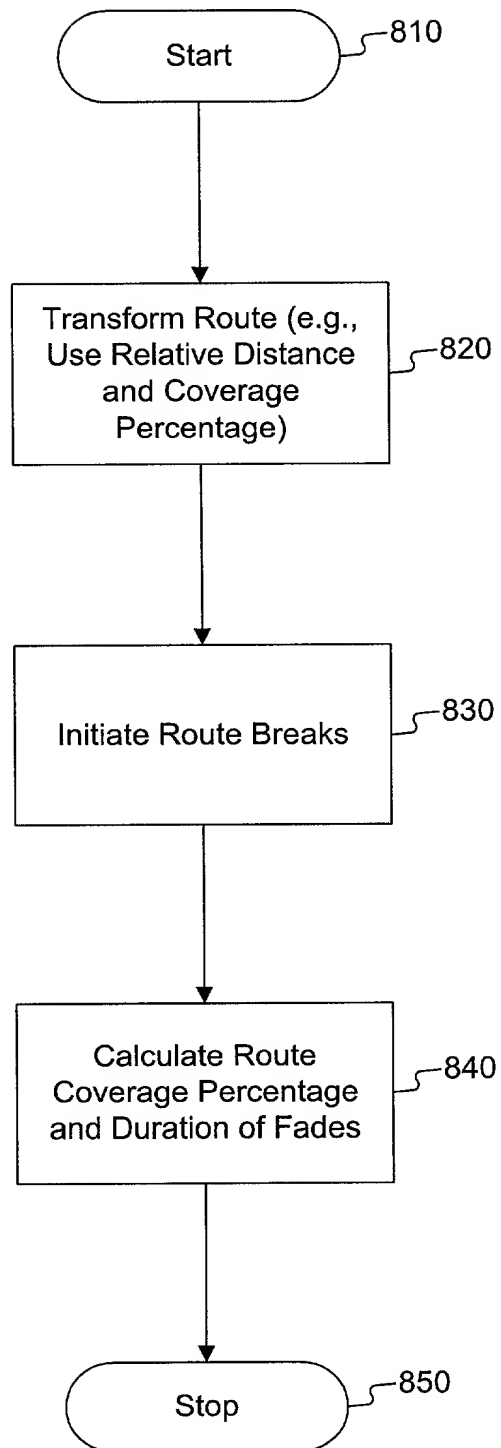


Fig. 8

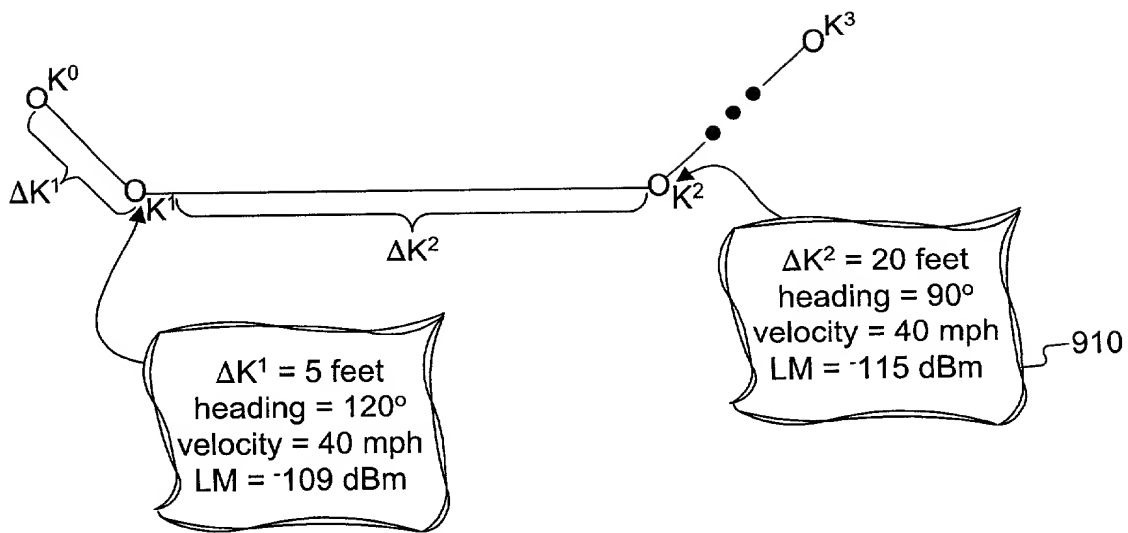


Fig. 9